BILL NO. S-81-01-16

SPECIAL ORDINANCE NO. S-35-81

AN ORDINANCE approving Change Order No. 12 in connection with the Water Filtration Plant.

BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF FORT WAYNE, INDIANA:

SECTION 1. That Change Order No. 12 to Hagerman/Shambaugh, Joint Bidders, Contractors, for:

> Water Works Improvements Filtration Plant Addition for contract 77-W-2. Changes include an addition of chainwheels and operating chains for eight butterfly valves on air piping for the pneumatic conveying equipment; (2) deleting hot water expansion tanks and changing a relief valve to be compatible with the system minus the tanks; (3) including the addition of three chlorine gas pressure switches. It was thought that these switches were already in place but determined during construction they did not exist. The switches are required for alarm circuitry.

in the amount of $2,738.00, as set out in the specifications which are on file in the Office of the Board of Public Works and are by reference incorporated herein and made a part hereof, be and the same is in all things ratified, confirmed and approved.

SECTION 2. That this Ordinance shall be effective from and after its passage and approval by the Mayor.

COUNCILMAN

APPROVED AS TO FORM AND LEGALITY JANUARY 9, 1981.

J. E. Hoffman

JOHN E. HOFFMAN, CITY ATTORNEY

Read the first time in full and on motion by Burns, seconded by Talarico, and duly adopted, read the second time by title and referred to the Committee City Utilities (and the City Plan Commission for recommendation) and Public Hearing to be held after due legal notice, at the Council Chambers, City-County Building, Fort Wayne, Indiana, on ~~_____~~, the ~~_____~~ day of ~~_____~~, 19____, at ~~_____~~ o'clock ~~__~~M.,E.S.T.

DATE: 1-13-81

Charles W. Westerman
CHARLES W. WESTERMAN
CITY CLERK

Read the third time in full and on motion by Burns, seconded by Eisbart, and duly adopted, placed on its passage. PASSED ~~(LOST)~~ by the following vote:

	AYES	NAYS	ABSTAINED	ABSENT	TO-WIT:
TOTAL VOTES	9				
BURNS	X				
EISBART	X				
GiaQUINTA	X				
NUCKOLS	X				
SCHMIDT, D.	X				
SCHMIDT, V.	X				
SCHOMBURG	X				
STIER	X				
TALARICO	X				

DATE: 1-27-81

Charles W. Westerman
CHARLES W. WESTERMAN - CITY CLERK

Passed and adopted by the Common Council of the City of Fort Wayne, Indiana, as ~~(ZONING MAP)~~ ~~(GENERAL)~~ ~~(ANNEXATION)~~ (SPECIAL) ~~(APPROPRIATION)~~ ORDINANCE ~~(RESOLUTION)~~ No. S-35-81

on the 27th day of January, 19 81.

ATTEST: (SEAL)

Charles W. Westerman
CHARLES W. WESTERMAN - CITY CLERK

John Nuckols
PRESIDING OFFICER

Presented by me to the Mayor of the City of Fort Wayne, Indiana, on the 28th day of January, 19 81, at the hour of 11:00 o'clock A. M.,E.S.T.

Charles W. Westerman
CHARLES W. WESTERMAN - CITY CLERK

Approved and signed by me this 28th day of Jan. 19 81, at the hour of 1 o'clock P M.,E.S.T.

Winfield C. Moses, Jr.
WINFIELD C. MOSES, JR.
MAYOR

BILL NO. S-81-01-16

REPORT OF THE COMMITTEE ON CITY UTILITIES

WE, YOUR COMMITTEE ON City Utilities TO WHOM WAS REFERRED AN ORDINANCE approving Change Order No. 12 in connection with the Water Filtration Plant

HAVE HAD SAID ORDINANCE UNDER CONSIDERATION AND BEG LEAVE TO REPORT BACK TO THE COMMON COUNCIL THAT SAID ORDINANCE DO PASS.

PAUL M. BURNS, CHAIRMAN

VIVIAN G. SCHMIDT, VICE CHAIRMAN

BEN A. EISBART

SAMUEL J. TALARICO

ROY J. SCHOMBURG

CONCURRED IN

DATE 1/27/81 CHARLES W. WESTERMAN, CITY CLERK

DISTRIBUTION:
City - 2
Contractor - 2
Contractor - 10 INFO
MP&S - 1
Res. Engr. - 2
Glen Patrick - 1 (info)
File - 1

McNAMEE, PORTER AND SEELEY
CONSULTING ENGINEERS
ANN ARBOR, MICHIGAN

CHANGE ORDER

OWNER:	City of Fort Wayne, IN		
CONTRACTOR:	Hagerman/Shambaugh, Joint Bidders 510 West Washington Blvd. Fort Wayne, IN 46853		
CONTRACT NO.:	77-W-2	**TITLE:**	Waterworks Improvements Filtration Plant Addtns.
EPA NO.	N/A		
CHANGE ORDER NO.:	12	**DATE:**	Dec. 8, 1980

To the Contractor named above:

Under the above contract and upon approval of the Owner we hereby direct you to furnish the necessary additional labor, material and equipment to:

BULLETIN NO. 11

1.	Add chain and chainwheels for eight (8) butterfly valves located on discharge of blowers.	ADD,	$ 641.00
2.	a. Remove expansion tanks.	DEDUCT,	-(200.00)
	c. Change relief valve to B & G #1050-100	ADD,	$ 132.00
3.	Add 3 chlorine gas pressure switches and pressure gauges with diaphrahm seal and 3/4" line valve.	ADD,	$ 2,165.00
	NET CHANGE TO CONTRACT	ADD,	$ 2,738.00

CURRENT CONTRACT AMOUNT	$14,883,470.65
This Change Order, ADD	2,738.00
REVISED CONTRACT AMOUNT	$14,886,208.65

McNAMEE, PORTER AND SEELEY

By _____

Fort Wayne, IN
Contract 77-W-2
CHANGE ORDER NO. 12

ACCEPTED: 12/17/80 DATE

CONTRACTOR: Hagerman/Shambaugh, Joint Bidders

BY: _____

RECOMMENDED: 12/19/80 DATE

DIRECTOR OF WATER RESOURCES DIV.: _____

APPROVED & ADOPTED DATE

BOARD OF PUBLIC WORKS

BY: _____
(CHAIRMAN)

_____

_____

ATTEST: _____
Clerk Board of Public Works

Shambaugh & Son INC.

MECHANICAL • ELECTRICAL • FIRE PROTECTION • WASTE WATER

137 Chambeau Road • P.O. Box 1287 • Fort Wayne, Indiana 46801 • Phone (219) 484-0741

RECEIVED
NOV 28 1980
By

November 26, 1980

McNamee, Porter & Seeley
3131 South State Street
Ann Arbor, MI 48104

Attention: Mr. John Oyer

Reference: Ft. Wayne, Indiana, Water Works Imprv., Filtration Plant Additions
Shambaugh Job #6272, Bulletin #11 dated 10/17/80 and Drawings M-44 and M-70

Dear Mr. Oyer:

Item #1 - Add chain and chainwheels for eight (8) butterfly valves located on discharge of blowers. We propose to furnish FIG. 657 #2-1/2 Babbitt chainwheels with rustproof chain per enclosure.

M	L	M/U	TOTAL
340	205	96	$641

Item #2 - Revise hot water service system per M-44 and M-70. Rev. Date 10/17/80.

	M	L	M/U	TOTAL
a. Remove expansion tanks	(500) credit	-300 deduct	~~0~~	(200) credit
b. Add 4 - 3" gate valves and 2 - 3" check valves with weld flgs.	800	550	245	1595
c. Change relief valve to B & G #1050-100 (qty. 2)	120	~~0~~	12	132

Item #2 Total Add. $1527

Item #3 - Add 3 chlorine gas pressure switches and pressure gauges with diaphragm seal and 3/4" line valve per enclosed sketch 6272-11.3. The one switch is to be located in chlorine storage building as shown on dwg. sh. E-60.

If any electrical work is required beyond that shown on contract drawings, it is to be by others.

M	L	M/V	TOTAL
1535	367	263	$2165

As a part of this bulletin, we ask for four (4) days time extension.

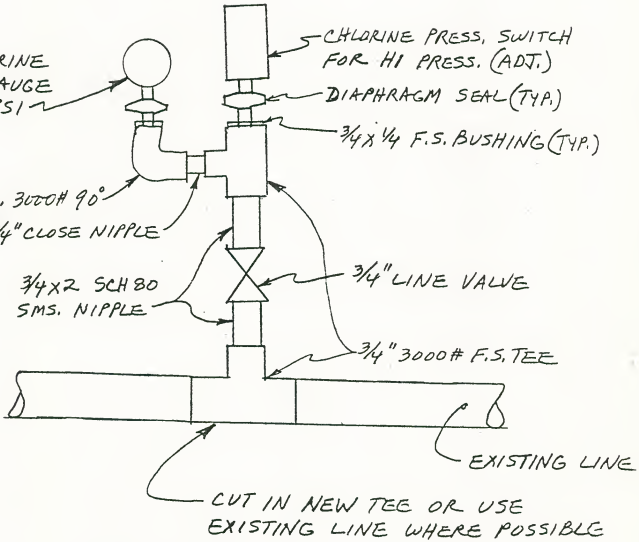
Very truly yours,

Ronald Hoke
Project Manager

RH/tm

cc: Hagerman

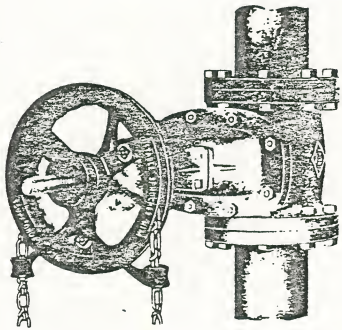
enc. Pg. 140 Babbitt Chainwheels
Sketch 6272-11.3



CHLORINE PRESSURE SWITCH INSTALLATION PER BULL#11

JOB 6272
SKETCH 6272-11.3
RLH 10/27/80

WHEEL OPERATORS



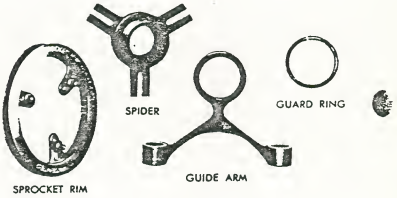
BABBITT ADJUSTABLE SPROCKET RIM
Fig. 657, with Ductile Iron Rim
Fig. 659, with Cast Iron Rim
Fig. 656 Rust-proof Chain

The Babbitt Adjustable Sprocket Rim is designed to provide convenient operation of wheel operated Globe or Gate valves which are located in overhead places not easily accessible for manual operation. It can be easily attached to the rim of the valve wheel ... never to the spokes. Adjust the hook bolts to the wheel rim, pass them through the slots in the lugs, center the Sprocket Rim on the wheel and tighten the nuts.

Fig. 657 has a ductile iron rim. Fig. 659 has a cast iron rim. Both have a malleable iron chain guide which prevents the chain from jumping the channel of the Sprocket Rim. Fig. 656, Rust-proof Chain, is available in any length.

Each size of Babbitt Adjustable Sprocket Rim fits several sizes of wheels as listed in the table.

When ordering, specify size of wheel to be fitted and number of feet of Rust-proof Chain required.



SIZE NO. OF SPROCKET RIM.....	0	1	1½	2	2½	3	3½	4	4½	5
DIAMETER OF SPROCKET RIM.....IN.	4	5⅞	7½	9	12½	15½	19	22	26	30
DIAMETER OF WHEEL IT FITS.....IN.	2-4	4⅛-5⅞	6-7½	7¾-9	9¼-12½	12¾-15½	15¾-19	19¼-22	22¼-26	26¼-30
WEIGHT, RIM AND GUIDE.....LB.	1¼	3	4½	5½	10½	13	22	32	37½	45

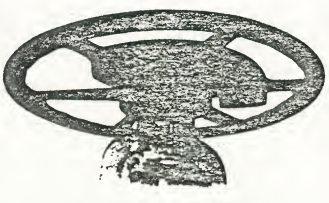


FIG. 562, HAMMER BLOW WHEEL with square hole.
FIG. 563, HAMMER BLOW WHEEL with hex hole.

Jenkins Hammer Blow Wheel is designed for use on certain large size or high pressure valves where additional force is necessary for the initial effort in starting the disc or wedge or for the final effort in effecting tight seating. The hammer action is provided by two driving lugs cast on the underside of the wheel and the lug of the anvil which projects into the wide slot between the driving lugs. At the full open or closed positions one of the driving lugs strikes the anvil with sharp impact, facilitating positive opening or closing of the valve. The Hammer Blow Wheel is made of ASTM A95, Carbon Steel and is available in 24" and 28" diameters.

ACTIVE PARTNERS
J.H. HOLLAND B.R. HOLAND, JR. R.W. FORCE
H.B. VAN DYCK S.E. MATTHEES R.J. SMIT
R.H. BACHTEAL R.F. BATZER P.C. YOUNGS
RETIRED PARTNERS
R.L. McNAMEE W.S. NEPPERT J.C. SEELEY

McNamee, Porter and Seeley

3131 SOUTH STATE STREET · ANN ARBOR, MICHIGAN 48104 · (313) 665-6000

Consulting Engineers

December 4, 1980

Mr. Ronald Hoke, Project Manager
Shambaugh and Son, Inc.
137 Chambeau Road
P.O. Box 1287
Fort Wayne, Indiana 46805

Re: City of Fort Wayne, Indiana
Water Works Improvements
Filtration Plant Additions
Contract 77-W-2

Dear Mr. Hoke:

This is with reference to Item 2, Bulletin No. 11 dated October 17, 1980 and your priced breakdown thereof dated November 26, 1980.

Our description of proposed changes was incorrect with respect to adding shut off valves and check valves at the heat exchangers. These items were shown in the "Hot Service Water System Schematic" on sheet M-44 of the original contract drawings and hence do not represent a change to the work.

We will be preparing the next change order to include items 1 and 3 of Bulletin 11 as priced in your November 26, 1980 letter, but for item 2, the change order will include a $200 credit for the expansion tanks and a $132 add for changing the relief valve. The net change for item 2 will be a credit of $68.

Very truly yours,

McNAMEE, PORTER AND SEELEY

BY JPO
John P. Oyer

JPO:dr
cc: Tom Larder
Bud Katz

Admn. Appr. _____

DIGEST SHEET

S-81-01-16

TITLE OF ORDINANCE Change Order No. 12 for Water Works Improvement Contract 77-W-2

DEPARTMENT REQUESTING ORDINANCE Board of Public Works

SYNOPSIS OF ORDINANCE Change Order #12 for the Water Works Improvements Filtration Plant Addition for Contract 77-W-2. Changes include an addition of $641.00 to add chainwheels and operating chains for 8 butterfly valves on air piping for the pneumatic conveying equipment. (2) deleting hot water expansion tanks and changing a relief valve to be compatible with the system minus the tanks, (3) including the addition of three chlorine gas pressure switches, it was thought that these switches were already in place but determined during construction they did not exist. The switches are required for alarm circuitry.

EFFECT OF PASSAGE The needed additions for the Water Works Improvements Filtration will be completed.

EFFECT OF NON-PASSAGE The above described contract cannot be completed as directed.

MONEY INVOLVED (DIRECT COSTS, EXPENDITURES, SAVINGS) Additional $2,738.00 to be paid for by City Utilities.

ASSIGNED TO COMMITTEE (PRESIDENT) _____